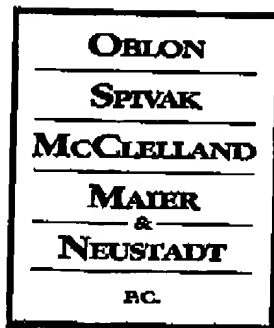


### ABSTRACT

An image forming apparatus including a light beam generating and modulating device that generates and modulates a light beam based on an image signal, and a light beam deflecting device that deflects the modulated light beam and scans an image carrier to form an image. A pair of light beam detecting devices detects the deflected light beam at two separate positions on a main scanning line. A time difference measuring device measures a time difference between time periods when the light beam is detected by one of the light beam detecting devices and by the other of the light beam detecting devices. An image magnification correcting device changes write clock frequency of the light beam and rotation number of the light deflecting device based on the time difference to correct magnification error in the main scanning direction of the image on the image carrier.



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